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[Sérgio Duarte, J. Legatheaux Martins, Henrique J. Domingos, Nuno Preguiç](#)
 June 2003 DEBS '03: Proceedings of the 2nd international workshop on Dis
 based systems

Publisher: ACM

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In this paper, we describe a case study of the design and development
 conferencing tool suite, built on top of an overlay network based event
 framework, which is extensible via quality of service template plug-ins.

Keywords: active networks, case study, event dissemination, multicast
 networks, quality of service (QoS)

- 22 [Going wireless. enabling an adaptive and extensible environment](#)

February 2003 Mobile Networks and Applications , Volume 8 Issue 1

Publisher: Kluwer Academic Publishers

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This paper discusses limitations in existing and projected solutions for d
 applications to mobile users (e.g., in 3G) in an increasingly diverse hete
 wireless infrastructure in combination with the on-going deregulation of
 communication ...

Keywords: agents, context, scalability, service, wireless

- 23 [Resilient multicast using overlays](#)

[Suman Banerjee, Seungjoon Lee, Bobby Bhattacharjee, Aravind Srinivasan](#)
 June 2003 SIGMETRI CS '03: Proceedings of the 2003 ACM SIGMETRICS ir
 conference on Measurement and modeling of computer systems

Publisher: ACM

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We introduce PRM (Probabilistic Resilient Multicast): a multicast data retransmission protocol that improves data delivery ratios while maintaining low end-to-end latency. It consists of both a proactive and a reactive component; in this paper we describe how it works.

Keywords: overlay multicast, randomized forwarding, resilience

Also published in:

June 2003 SIGMETRICS Performance Evaluation Review Volume 31 Issue 1

- 24 [On-demand multicast routing protocol in multihop wireless mobile networks](#)
December 2002 Mobile Networks and Applications , Volume 7 Issue 6
Publisher: Kluwer Academic Publishers


Full text available:  Pdf (248.93 KB) Additional Information: [full citation](#), [abstract](#), [reference terms](#)

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An ad hoc network is a dynamically reconfigurable wireless network without infrastructure or central administration. Each host is mobile and must adapt to changes in the network topology. Routing and multicasting protocols in ad hoc networks are faced with these challenges.

Keywords: ad hoc networks, mobile computing, multicast, routing

- 25 [Estimating membership in a multicast session](#)

 Sara Alouf, Eitan Altman, Chadi Barakat, Philippe Nain

June 2003 SIGMETRICS '03: Proceedings of the 2003 ACM SIGMETRICS international conference on Measurement and modeling of computer systems

Publisher: ACM

Full text available:  Pdf (2.42 MB) Additional Information: [full citation](#), [abstract](#), [reference terms](#)

Bibliometrics: Downloads (6 Weeks): 4, Downloads (12 Months): 25, Citations: 1

We propose two novel on-line estimation algorithms to determine the size of the multicast group. We first use a Wiener filter to derive an optimal estimation of the membership size of the session in case the join process is Poisson and the session is active.

Keywords: M/G/8 queue, Wiener filter, first-order linear filter, membership estimation, multicast applications, on-line estimation


Also published in:

June 2003 SIGMETRICS Performance Evaluation Review Volume 31 Issue 1

- 26 [An architecture for secure wide-area service discovery](#)

Todd D. Hodes, Steven E. Czerwinski, Ben Y. Zhao, Anthony D. Joseph, Rajkumar Buyya
March 2002 Wireless Networks , Volume 8 Issue 2/3

Publisher: Kluwer Academic Publishers

Full text available:  Pdf (365.68 KB) Additional Information: [full citation](#), [abstract](#), [reference terms](#)

Bibliometrics: Downloads (6 Weeks): 3, Downloads (12 Months): 91, Citations: 1

The widespread deployment of inexpensive communications technology resources in the networking infrastructure, and network-enabled end de interesting problem for end users: how to locate a particular network se

Keywords: location services, name lookup, network protocols, service

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